

SWP Water Quality Summary

September 9 to October 8, 2008

Electrical Conductivity: EC increased at Banks Pumping Plant (BPP), Check 29, Devil Canyon, Barker Slough and Vallecitos, from September 9 to October 8, 2008.

Concentrations ranged from 238 uS/cm to 617 uS/cm, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 uS/cm). Daily average concentrations varied at all the locations. The lowest and highest concentrations of 289 uS/cm and 617 uS/cm as of October 8, 2008 occurred at Barker Slough and Vallecitos, respectively. Concentrations increased this month at BPP from 583 uS/cm to 616 uS/cm.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.07 mg/L to 0.33 mg/L. As of October 8, Barker Slough had the lowest concentration of 0.09 mg/L, followed by Check 29 with 0.17 mg/L while the highest concentration of 0.33 mg/L occurred at BPP and Vallecitos. Concentration at BPP increased slightly from 0.30 to 0.33 mg/L as of this month.

Turbidity: Turbidity levels increased at Devil Canyon, but decreased at BPP, Check 29 and Barker Slough and remained unchanged at Vallecitos. Turbidity levels ranged from 0.4 NTU to 46 NTU as of October 8, 2008. The lowest level of 0.4 NTU occurred at Check 29 while the highest level of 46 NTU occurred at Barker Slough on October 8, 2008. BPP mean daily turbidity levels decreased from 6 NTU to 4 NTU as of October 8, 2008.

Dissolved Organic Carbon (DOC): Concentrations decreased at BPP and Edmonston, but increased at Check 13 from September 9 to October 8, 2008. DOC daily average concentration at BPP decreased from 3.2 mg/L to 2.6 mg/L as of October 8, 2008.

Taste and Odor Compounds: MIB and geosmin remain low project wide, ranging from non-detect to 8 ng/L at Clifton Court Inlet, BPP, O'Neill Forebay Outlet, Del Valle Check 7 and Castaic Lake as of October 6 and 7, 2008.

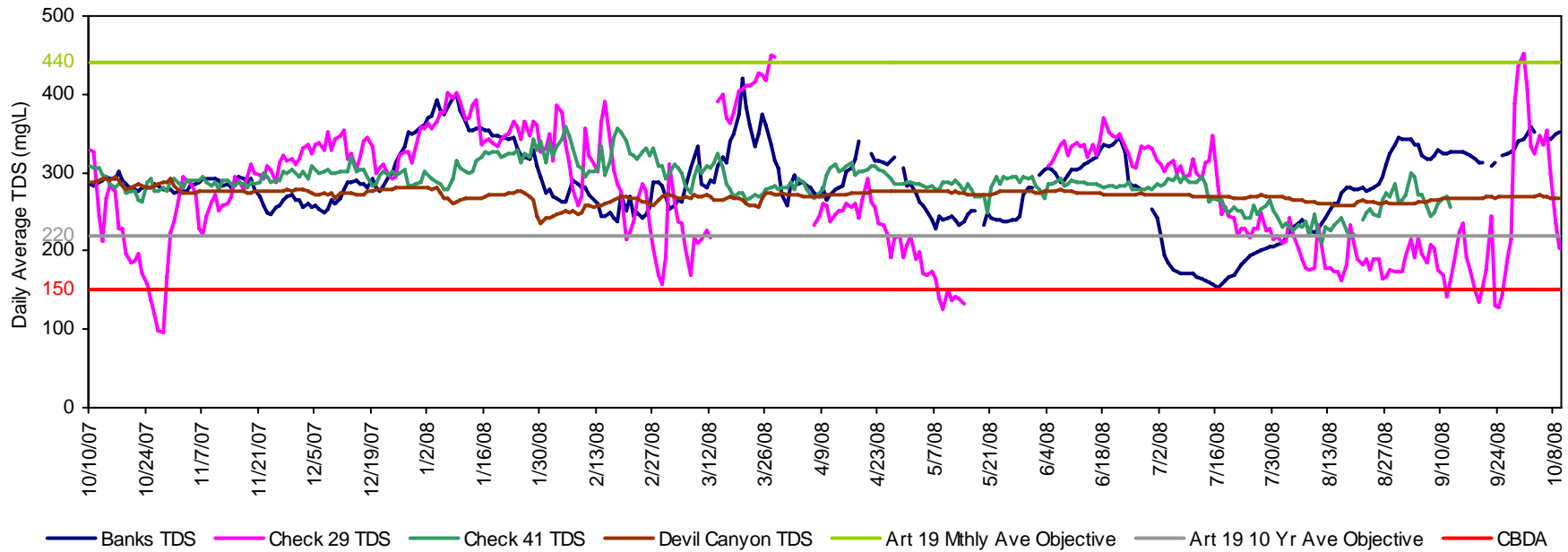
Pump_ins: Pump-ins to the State Water Project (SWP) from the Banking Programs (Arvin Edison, Kern Water Bank, Cross Valley Canal and Semi-tropic 3) this month added a total volume of 41,716 acre feet (AF).

Note:

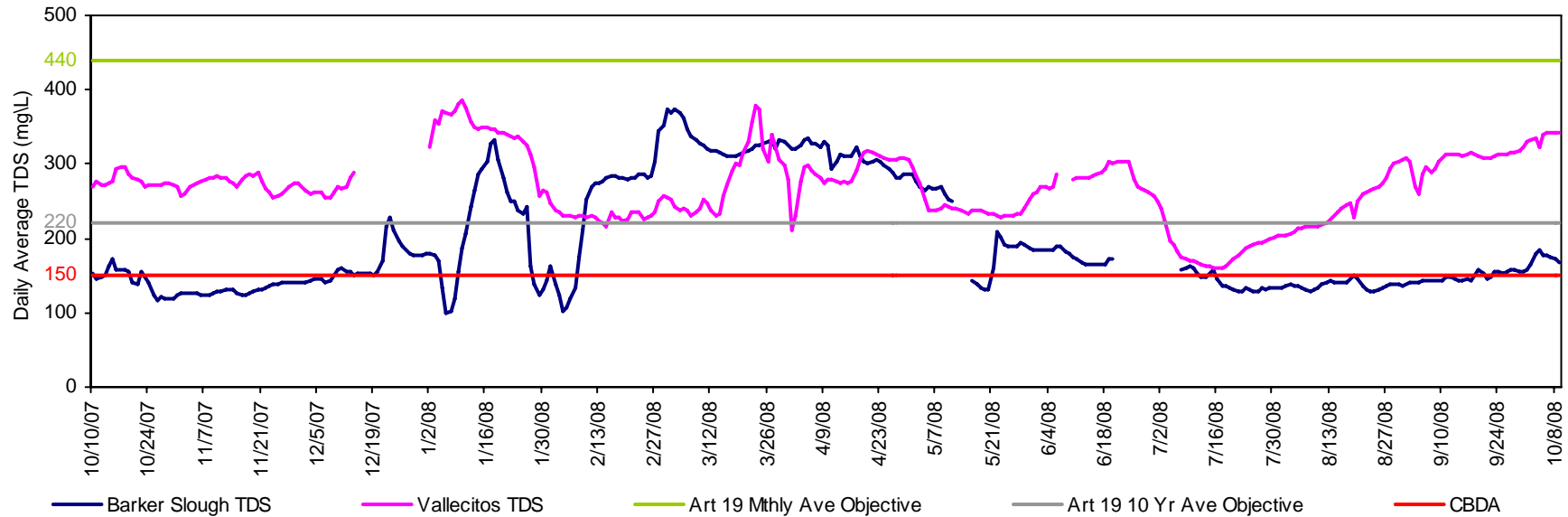
The intent of the monthly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit:

<http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

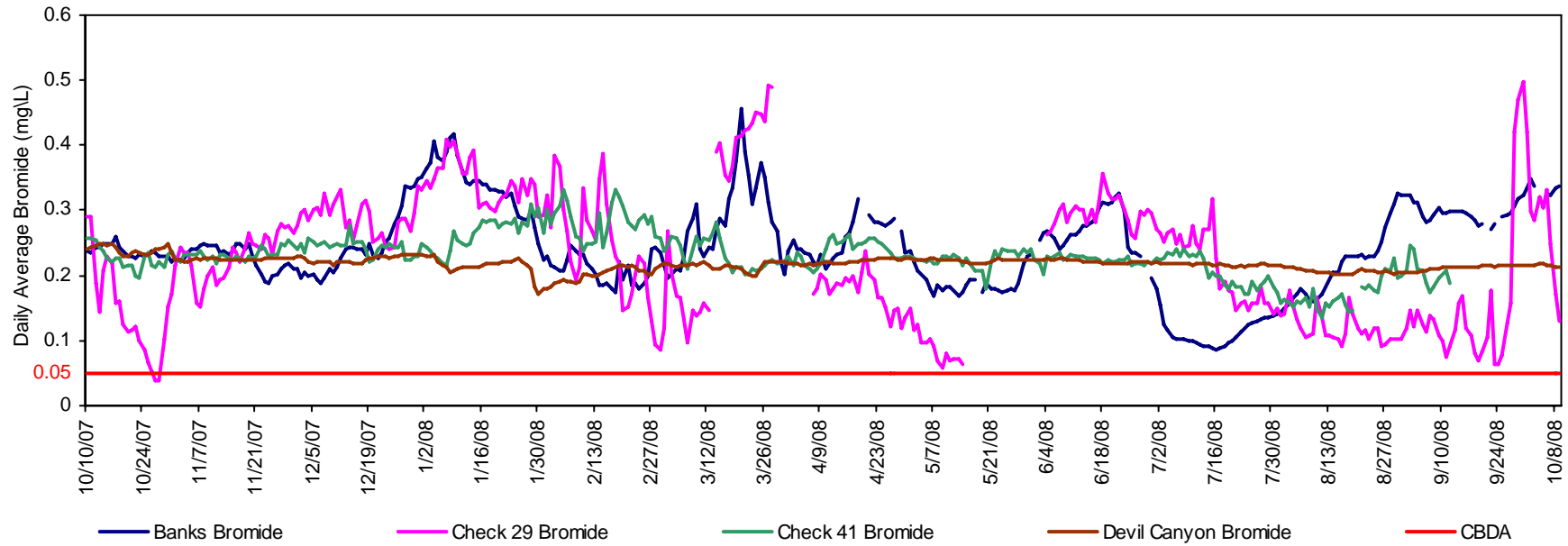
California Aqueduct - Calculated Total Dissolved Solids



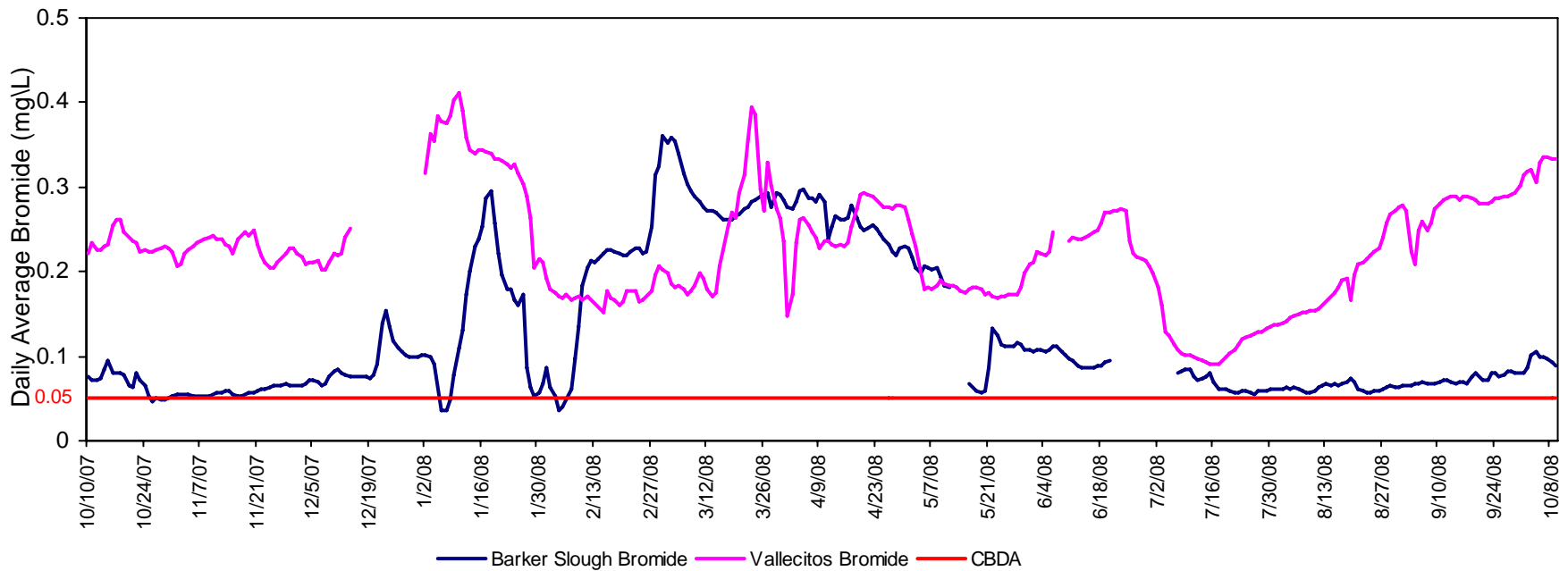
North and South Bay Aqueduct - Calculated Total Dissolved Solids



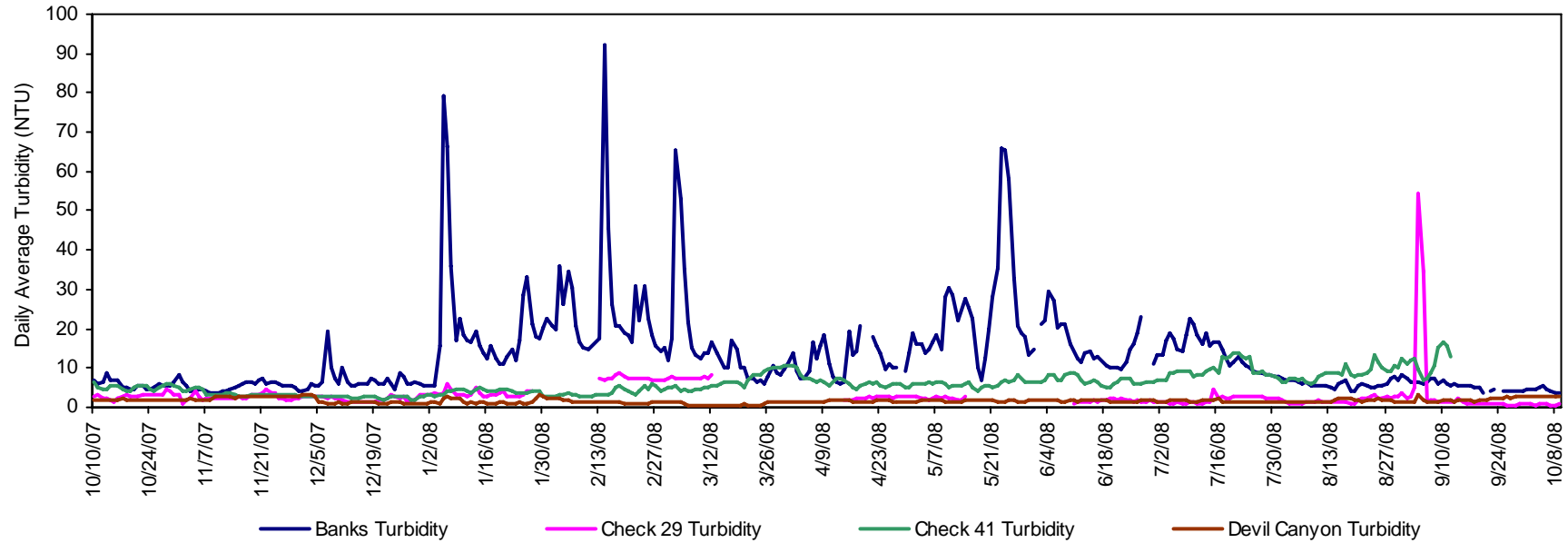
California Aqueduct - Calculated Bromide



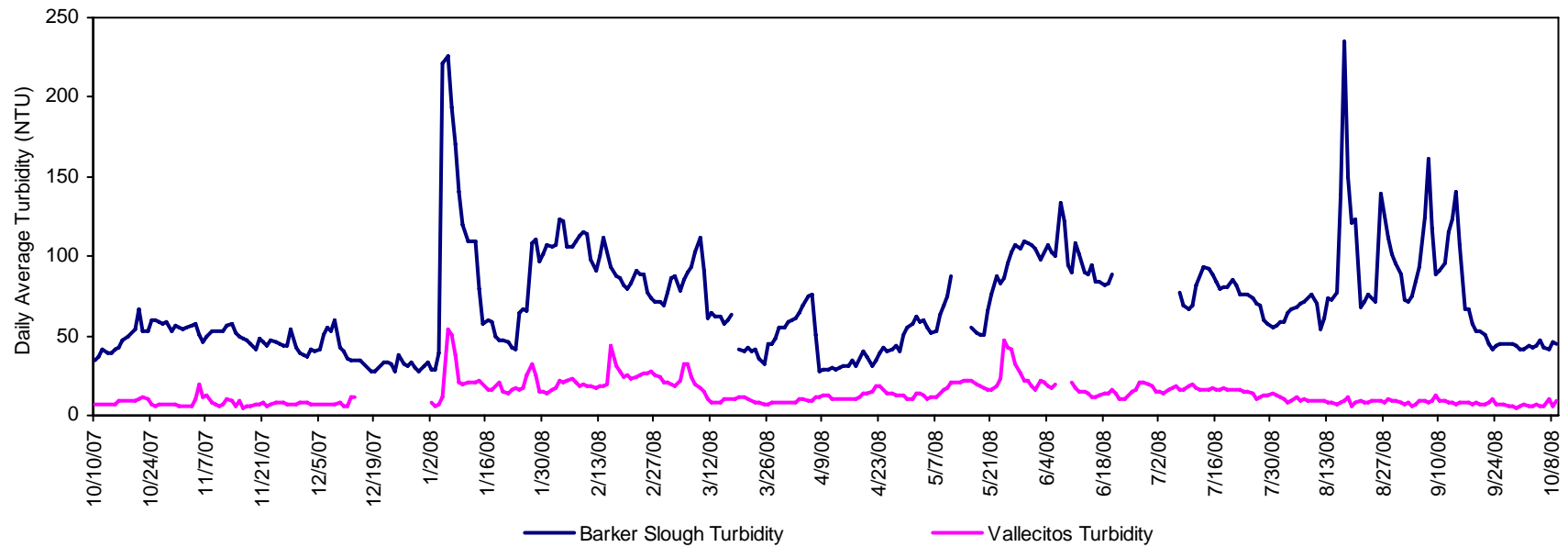
North and South Bay Aqueduct - Calculated Bromide



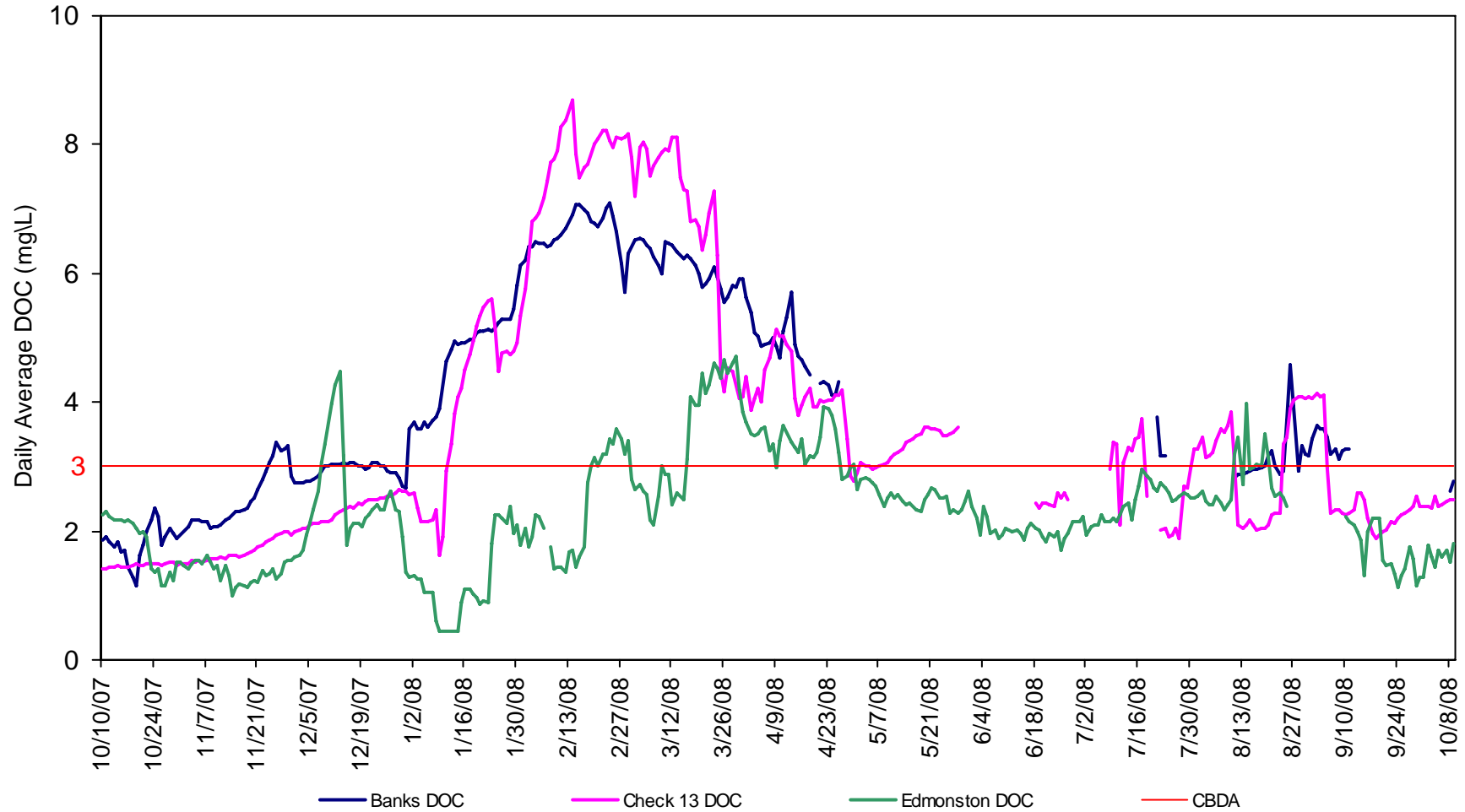
California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon



SWP Water Quality Report

DWR Operations & Maintenance Water Quality Automated Station Data from September 9 to October 8, 2008

Automated sampling stations provide real time data by continuously measuring water quality conditions in the California Aqueduct.

Water Quality Parameters	Objective	Range	Harvey O. Banks PP KA000331	Check 29 KA024454	Check 41 KA030341	Devil Canyon KA041288	NBA at Barker Slough KG000000	Vallecitos KB002250	Check 13 O'Neill Forebay Outlet KA007089	Edmonston PP Milepost 293.45
EC (µS/cm)	733**	average	582	417	NO DATA	474	262	574		
		9/9/08	583	304		470	238	531		
		10/8/08	616	407		473	289	617		
Bromide (mg/L)	0.05*	average	0.30	0.19	NO DATA	0.21	0.08	0.30		
		9/9/08	0.30	0.11		0.21	0.07	0.20		
		10/8/08	0.33	0.17		0.21	0.09	0.33		
Turbidity (NTU)		average	5	0.9	NO DATA	2	62	7		
		9/9/08	6	1		1	89	6		
		10/8/08	4	0.4		3	46	6		
DOC (mg/L)	3.0*	average	3.1						2.3	1.7
		9/9/08	3.2						2.3	2.4
		10/8/08	2.6						2.5	1.5
Taste & Odor Parameters	Range	Clifton Court KA000000	Harvey O. Banks PP KA000331	Lake Del Valle, Check 7 KB001632	Check 13 O'Neill Forebay Outlet KA007089	Check 41 KA030341	Check 66 KA040341	Castaic Lake	Lake Perris	Silverwood Lake
MIB (ng/L)	10/6/8 to	2	1	1	ND	-	-	3	-	6
Geosmin (ng/L)	10/7/08	4	8	5	2	-	-	ND	-	ND

*CBDA Objective

**Article 19 Monthly Average (converted from 440 mg/L to 733µS/cm)

ND = Non-detect